Mouse Gastrokine 1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 759821

Catalog Number: FAB7287R

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Gastrokine 1 in direct ELISAs and mouse and rat Gastrokine 1 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human (rh) Gastrokine 1 and no cross-reactivity with rhBlottin is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 759821
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse Gastrokine 1 Tyr38-Tyr201 Accession # NP_079742
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Gastrokine 1 (GKN1; also CA11 and AMP-18) is a 17-20 kDa member of the Gastrokine protein family. It has limited expression, being restricted to mucous secreting pyloric antrum epithelial cells. Gastrokine 1 appears to promote epithelial cell proliferation and migration, and induce the formation of tight junctions between epithelial cells. By contrast, gastrokine 1 induces Fas expression in tumor cells, resulting in apoptosis. Mature mouse gastrokine 1 is 166 amino acids (aa) in length (aa 36-201 of SwissProt accession Q9CR36 or aa 19-184 of accession NP_079742). Based on the SwissProt sequence, it possesses one BRICHOS domain (aa 71-165) that contains a mitogenic sequence (aa 113-131). There is one potential alternative start site at Met18. Over aa 38-201 (accession Q9CR36), mouse gastrokine 1 shares 65% and 92% aa sequence identity with human and rat gastrokine 1, respectively.

PRODUCT SPECIFIC NOTICES

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